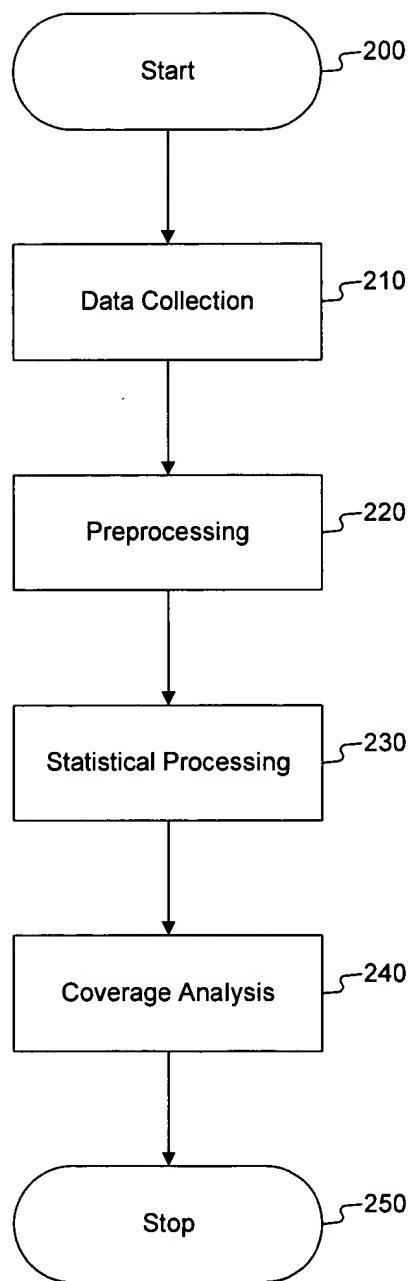


Fig. 1



**Fig. 2**

# Data Collection

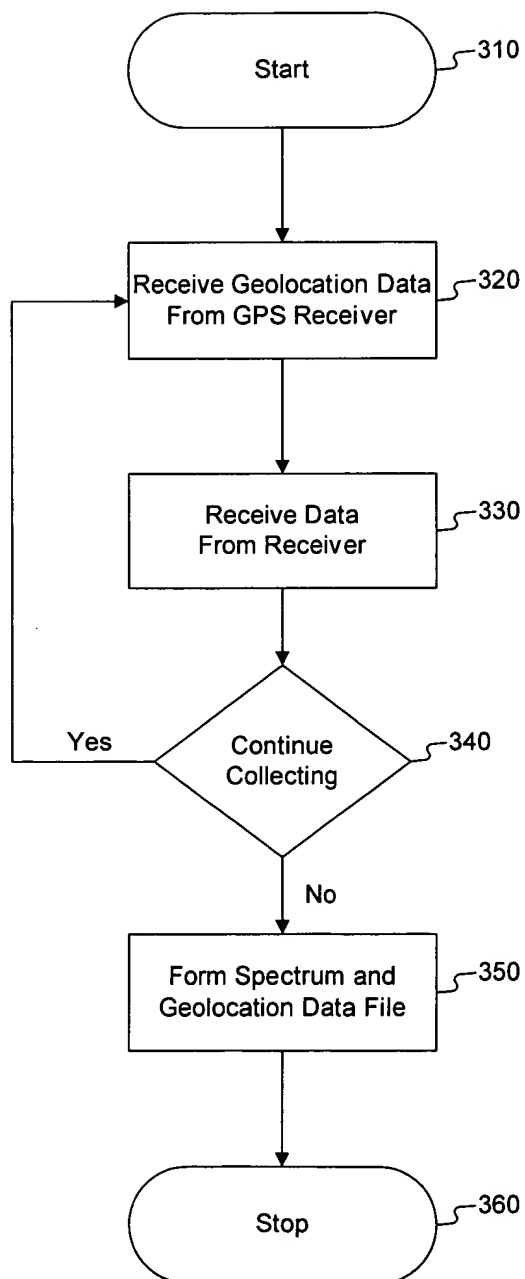


Fig. 3

Preprocessing

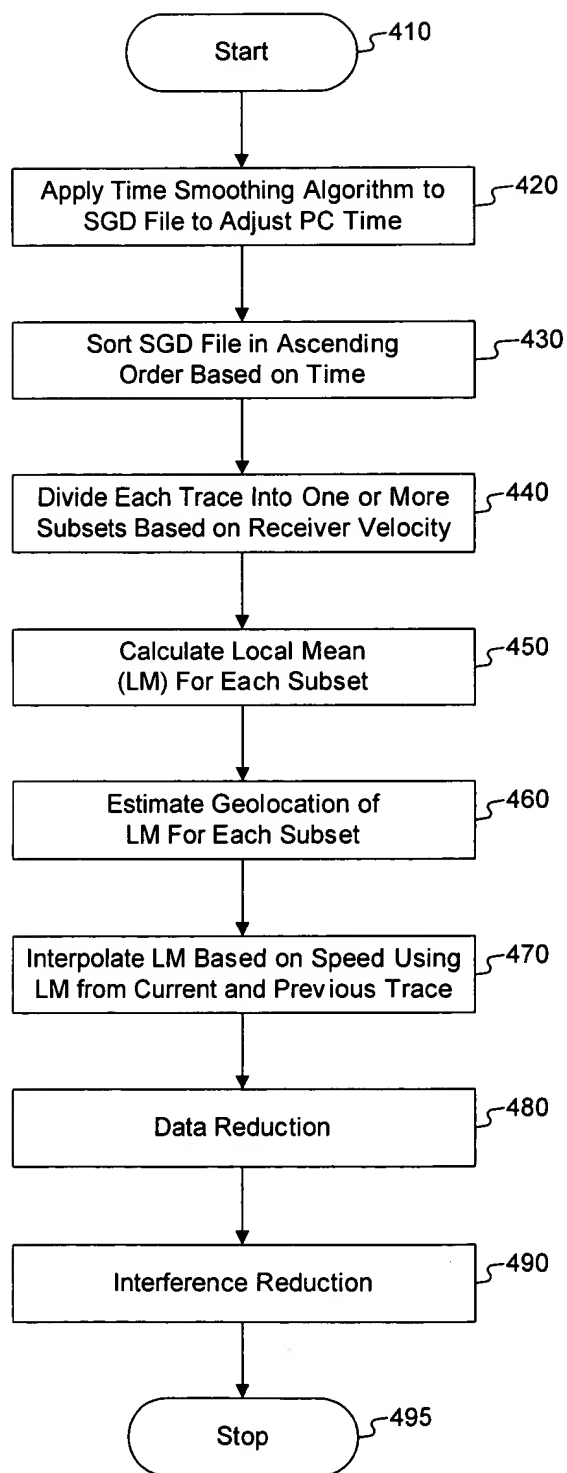
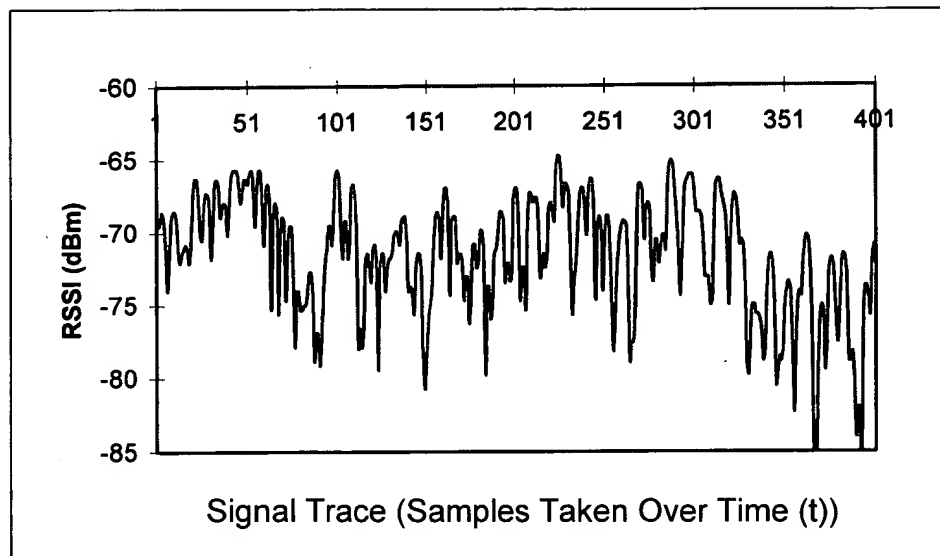


Fig. 4

**Fig. 5A**

099711-1430  
FOETI-1430



**Fig. 5B**

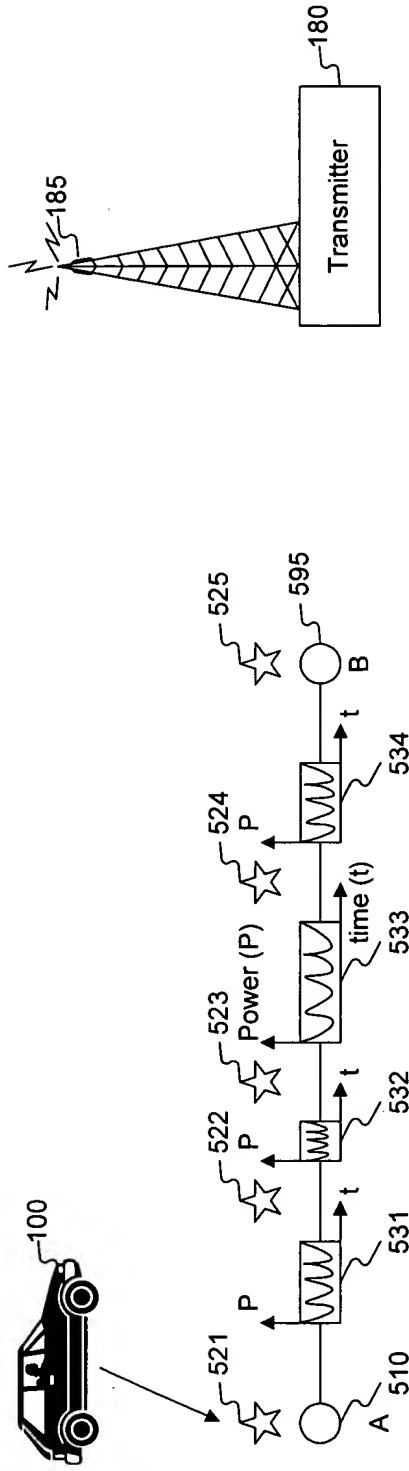


Fig. 5C

Record No	Long	Lat	Local Mean	v (mph)	Lagr-Intp	Average	Difference
1	-74.0283	40.77081	-113.8	39.14	0		
2	-74.0284	40.77084	-113.06	39.52	0		
3	-74.0285	40.77087	-111.58	39.65	1		
4	-74.0286	40.7709	-110.78	39.77	0		
5	-74.0286	40.77094	-111.6	39.58	0		
6	-74.0287	40.77097	-112.66	39.36	0		
7	-74.0288	40.771	-112.76	39.17	0		

Fig. 6



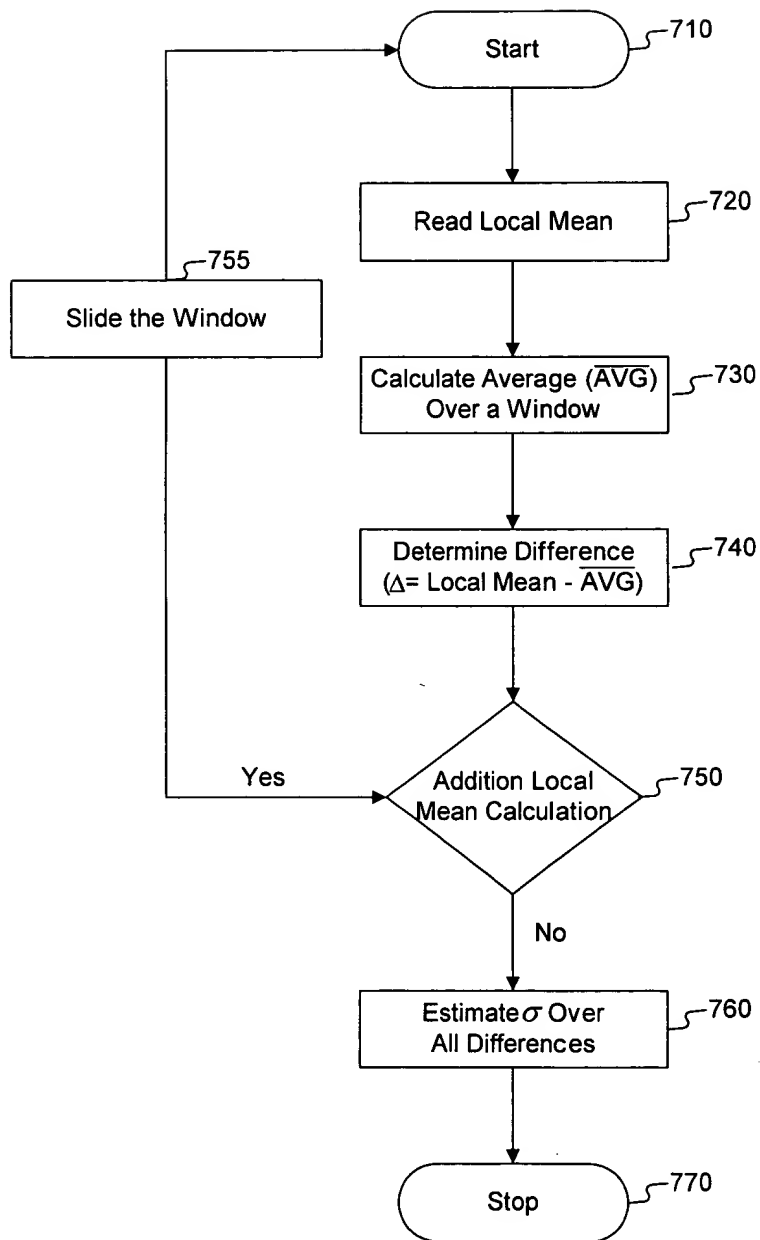
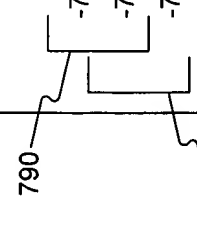


Fig. 7A



790

795

Long	Lat	Local Mean	v (mph)	Lagr-Intp	Window Average	Difference
-74.0283	40.77081	-113.8	39.14	0	-113.4	0.4
-74.0284	40.77084	-113.06	39.52	0	-112.2	1.06
-74.0285	40.77087	-111.58	39.65	1		
-74.0286	40.7709	-110.78	39.77	0		
-74.0286	40.77094	-111.6	39.58	0		
-74.0287	40.77097	-112.66	39.36	0		
-74.0288	40.771	-112.76	39.17	0		

Fig. 7B

# Log-Normal Analysis

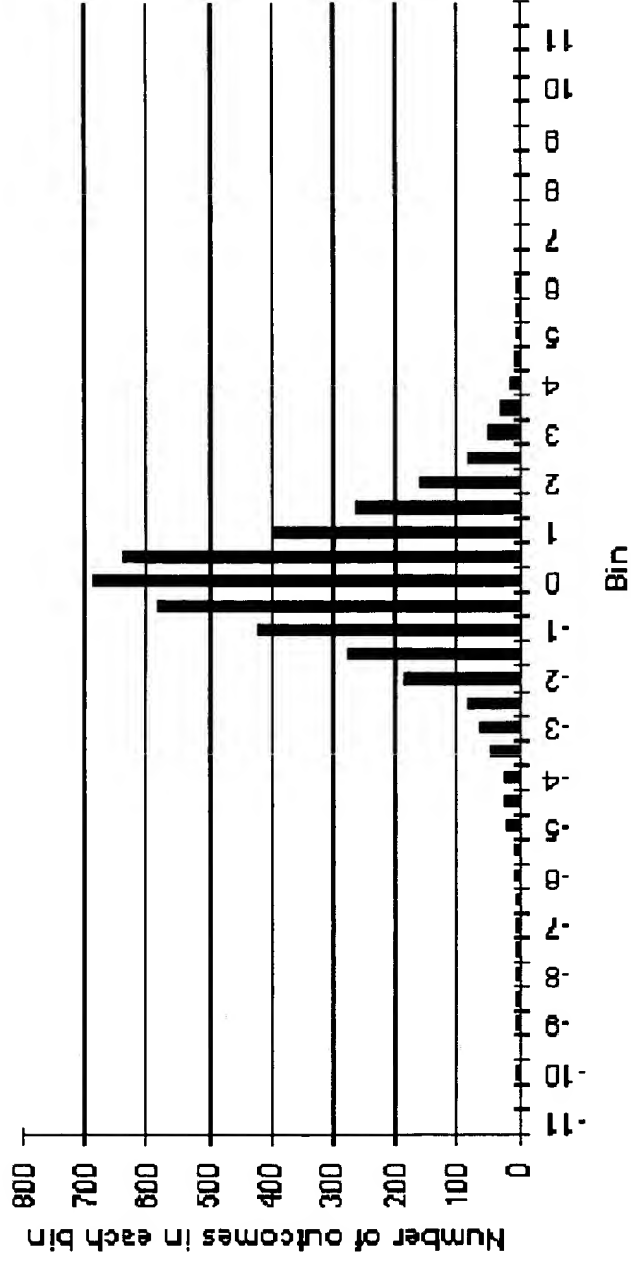
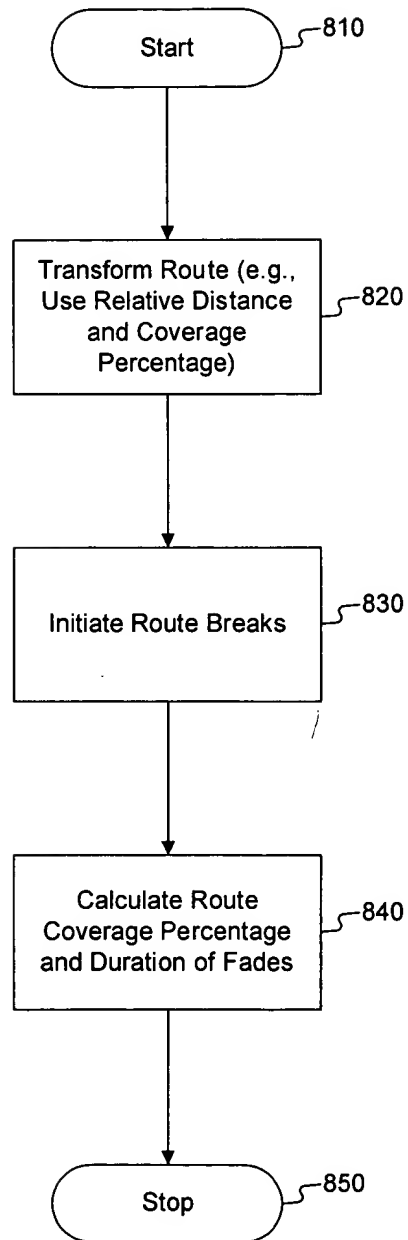


Fig. 7C

# Coverage Analysis



**Fig. 8**

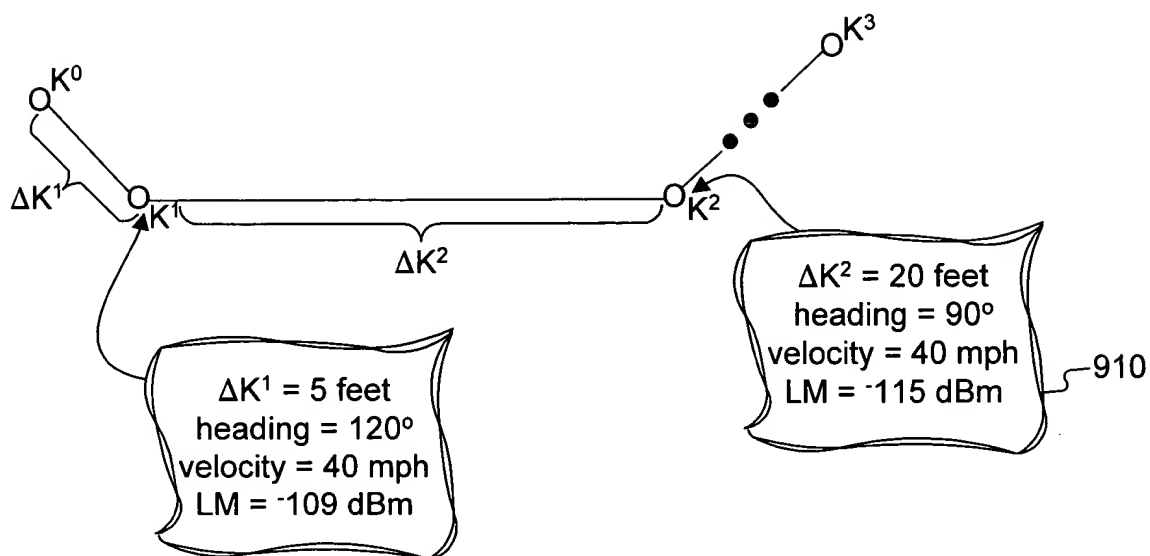


Fig. 9